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In the Claims:

1(Canceled). A light source for generating and coupling light of a first wavelength into an optical waveguide, said light source comprising:

a first optical cavity comprising a bottom mirror located outside of said optical waveguide, and a top mirror comprising a reflector located within said optical waveguide; and

an active region between said top and bottom mirrors for generating light of said first wavelength.

2(Currently Amended). The light source of Claim 1 A light source for generating and coupling light of a first wavelength into an optical waveguide, said light source comprising:

a first optical cavity comprising a bottom mirror located outside of said optical waveguide, and a top mirror comprising a reflector located within said optical waveguide; and

an active region between said top and bottom mirrors for generating light of said first wavelength,

said light source further comprising a polarization filter between said top and bottom mirrors.

3(Currently Amended). The light source of Claim ± 2 wherein said optical waveguide is an optical fiber.

4(Original). The light source of Claim 3 wherein said reflector is a Bragg reflector.

5(Currently amended). The light source of Claim 4 A light source for generating and coupling light of a first wavelength into an optical waveguide, said light source comprising:

comprising a pumping laser for generating light of said second wavelength,

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wherein said pumping laser includes a s cond optical cavity comprising a top mirror, active region, and bottom mirror, wherein said top mirror of said pumping laser is electrically connected to said bottom mirror of said first optical cavity, and wherein said active region of said pumping laser generates light in response to an electrical current passing therethrough.

11(Original). The light source of Claim 10 wherein said top mirror of said pumping laser is located on an end of said optical fiber.

12(New). A light source for generating and coupling light of a first wavelength into an optical waveguide, said light source comprising:

a first optical cavity comprising a bottom electrically conducting mirror located outside of said optical waveguide, and a top mirror comprising a reflector located within said optical waveguide;

an active region between said top and bottom mirrors for generating light of said first wavelength;

a top contact for supplying a current that flows from said top contact through said active region to said bottom mirror when a potential is applied between said top contact and said bottom mirror, said light of said first wavelength being generated in said active region when said current flows through said active region.